Introduction

This document defines the transactional operations in the AzEDS REST API that are required to satisfy the operations that occur through a Student Information System (SIS) for the purpose of reporting SAIS information.

Audience

This document is designed for application developers that are integrating with the AzEDS REST API. Since the AzEDS REST API is middleware, no reference is made to a user interface since that would be supplied by the SIS which would communicate to the AzEDS REST API through automated calls.

Prerequisites

To gain the most benefit from this information, you should already be familiar with Representational State Transfer (REST) services (http://en.wikipedia.org/wiki/Representational_state_transfer).

Acknowledgments

This document is based on the Student Accountability Information System (SAIS) Student Database Transaction Requirements document written by the Arizona Department of Education (http://www.azed.gov/student-accountability/files/2011/12/sais-transaction-usage.pdf).

Scope

While the AzEDS REST API handles a wide array of operations that are beyond the scope of a SIS, this document focuses on only those operations that are related to Student Accountability Information System (SAIS) Student Database Transaction Requirements and Student Teacher Course Connection.

AzEDS Use Case document contents

There are several spreadsheets within this workbook which can all be accesed from the Index tab.

The Index tab contains the following nine use case categories. The categories can be accessed either by clicking on the name of the category listed in the index tab or by selecting the individual tab in the workbook.

- Education Organization Calendar
- Course
- Master Schedule
- Staff
- Student
- Parent
- Student Enrollment
- Student Withdrawal
- Student Attendance

Navigating within a use case scenario

Each use case scenario document contains

- The name of the API and the type(s) of action(s) which occur for the API – this defines what happens
  - GET – a GET request retrieves data
  - POST – a POST request creates data
  - PUT – a PUT request updates new data
  - DELETE – a DELETE request deletes data
- The table name where the data is located
- The element name(s)
  - the data type for the element name(s)
  - the size of the element
  - the name of the SAIS transactions which previously contained this element